Amendments to the Specification:

Please amend the paragraph bridging pages 6 and 7 as follows:

According to a fourth feature, the first and second input terminals of the amplifier arrangement are respectively the non-inverting and inverting input terminals of the amplifier arrangement. In addition, the amplifier arrangement is arranged in a differential way so the gain factor polarity between inverting and non-inverting input terminals and the output terminal of the amplifier arrangement causes the current at the output of the amplifier arrangement to be directly proportional to and the same polarity as (Va-Vb), where Va and Vb are respectively the voltages at the non-inverting and inverting input terminals of the amplifier arrangement. Such an amplifier arrangement preferably includes a conventional operational amplifier. In the Walsh circuit, there is only one input terminal (Vin). By employing an amplifier arrangement including the differential feature as stated, the circuit can (1) handle certain output current ranges that Walsh cannot handle, and (2) perform certain functions that Walsh cannot perform.